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| FORM PTO-1390 MODIFIED | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER 540-507 |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/500639 <small>To be assigned</small> |
| INTERNATIONAL APPLICATION NO. PCT/GB02/05732 | INTERNATIONAL FILING DATE 17 December 2002 | PRIORITY DATE CLAIMED 02 January 2002 |

TITLE OF INVENTION

IMPROVEMENTS RELATING TO OPERATION OF A CURRENT CONTROLLER

APPLICANT(S) FOR DO/EO/US

WESTCOTT, A.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
- ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
- ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
- ☒ The U.S. has been elected by the expiration of 19 months from the priority date (Article 31).

A copy of the International Application as filed (35 U.S.C. 371(c)(2)).

- a. ☒ is attached hereto (34 pages specification, claims & abstract (33 claims), 6 sheets drawings).
- b. ☒ has been communicated by the International Bureau.
- c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
- ☐ An English language translation
 - a. ☐ of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (pages specification, claims & abstract (claims), sheets drawings, page Certificate of Translation).

- b. ☐ of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).

☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))

- a. ☐ are attached hereto (required only if not communicated by the International Bureau).
- b. ☐ have been communicated by the International Bureau.
- c. ☐ have not been made; however, the time limit for making such amendments has **NOT** expired.
- d. ☐ have not been made and **will not be made**.

☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).

- a. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
- b. ☐ Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached).

j. See item 6.b. above.

Items 11 To 20 below concern document(s) or information included:

- ☐ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.
- ☒ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
- ☒ A FIRST preliminary amendment.
- ☐ A SECOND or SUBSEQUENT preliminary amendment.
- ☐ A substitute specification.
- ☐ A change of power of attorney and/or address letter.
- ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
- ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
- ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
- ☒ Other items or information. Identification of Practitioners to be Recognized, International Search Report and PTO Form 1449

DT15-2ec'd PCT/PTO 02 JUL 2004

U.S. APPLICATION NO. 10/250033

INTERNATIONAL APPLICATION NO.

ATTORNEY'S DOCKET NUMBER

PCT/GB02/05732

540-507

21. ☒ The following fees are submitted:**BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):**

- Neither international preliminary examination fee (37 C.F.R. 1.482) nor international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO.....\$1080.00
- International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO\$920.00
- International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO.....\$770.00
- International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$730.00
- International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)\$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).**CALCULATIONS PTO USE ONLY**

\$ 920.00

\$ 0.00

| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE |
|--------------------|--------------|--------------|-----------|
| Total Claims | 28 | minus 20 = 8 | X \$18.00 |
| Independent Claims | 1 | minus 3 = 0 | X \$86.00 |

\$ 144.00

\$ 0.00

MULTIPLE DEPENDENT CLAIMS(S) (if applicable)

\$290.00

\$ 0.00

Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s) (\$110.00/1 month; \$420.00/2 months; \$950.00/3 months)

\$ 0.00

TOTAL OF ABOVE CALCULATIONS =

\$ 1064.00

☐ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

0.00

SUBTOTAL =

\$ 1064.00

Processing fee of \$130.00, for furnishing the English Translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).

0.00

TOTAL NATIONAL FEE =

\$ 1064.00

Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property

\$ 40.00

Fee for Petition to Revive Unintentionally Abandoned Application (\$1330.00 - Small Entity = \$665.00)

\$ 0.00

TOTAL FEES ENCLOSED =

\$ 1104.00

Amount to be:

refunded \$

Charged \$

a. ☒ A check in the amount of \$1104.00 to cover the above fees is enclosed.b. ☐ Please charge my Deposit Account No. 14-1140 in the amount of \$_____ to cover the above fees. A duplicate copy of this form is enclosed.c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.d. ☒ The entire content of International Application No. PCT/GB02/05732 and any U.S. and foreign application(s) corresponding thereto, and GB 0200027.1, referred to in this application is/are hereby incorporated by reference in this application.**NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.****CORRESPONDENCE ADDRESS**

Direct all correspondence to:

**Customer Number:****23117**

Type Customer Number here

Place Customer
Number Bar
Label HereTelephone: (703) 816-4000
SCS:ecbStanley C. Spooner
NAME27,393
REGISTRATION NUMBERJuly 2, 2004
Date